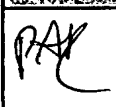



FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 2026-4149US3	SERIAL NO. 08/977,221
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		APPLICANT(S) M. L. Stracke, et al.	
		FILING DATE November 24, 1997	GROUP ART UNIT 1652

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

jc688 U.S. PTO
09/483831
01/17/00

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)			
			M. Narita, et al., "Molecular Cloning, Expression, and Localization of a Brain-Specific Phosphodiesterase I/Nucleotide Pyrophosphatase (PD-Iα) From Rat Brain," <i>The Journal of Biological Chemistry</i> , 1994, pp. 28235-28242.
			R. M. Warn, et al, "Motility Factors on the March," <i>Nature</i> , Vol. 340, July 20, 1989, pp. 186-187.
			M. Stoker, et al. "Scatter Factor is a Fibroblast-Derive Modulator of Epithelial Cell Motility," <i>Nature</i> , Vol. 327, May 1987, pp. 239-242.

EXAMINER 	DATE CONSIDERED 1/25/98
---	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COM PATENT AND TRADEMARK	ATTY. DOCKET NO. 2026-4149US3	SERIAL NO. 08/977,221
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		APPLICANT(S) M. L. Stracke, et al.	
		FILING DATE November 24, 1997	GROUP ART UNIT 1652

U.S. PATENT DOCUMENTS



EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

1c688 U.S. PTO
09/483831
01/17/88

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

<div style="text-align: center;">   </div>		B. Alberts, et al. "Molecular Biology of the Cell," Garland Publishing, Inc. (1983).
		K. Yoshida, et al. "Studies On The Mechanisms of Invasion in Cancer. I. Isolation and Purification of a Factor Chemotactic For Cancer Cells," <i>Int. J. Cancer</i> , 1970, pp. 123-132.

EXAMINER	DATE CONSIDERED 1/28/01
----------	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 2026-4149US3	SERIAL NO. 08/977,221
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		APPLICANT(S) M. L. Stracke, et al.	
		FILING DATE November 24, 1997	GROUP ART UNIT 1643

U.S. PTO
09/483831
01/27/00

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,003,047	3/26/91	Yarmush, et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 93/14202	07/22/93	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

PAR		M. Narita, et al., "Molecular Cloning, Expression, and Localization of a Brain-Specific Phosphodiesterase I/Nucleotide Pyrophosphatase (PD-I α) From Rat Brain," <i>The Journal of Biological Chemistry</i> , 1994, pp. 28235-28242.
		M. L. Stracke, et al., "Identification, Purification, and Partial Sequence Analysis of Autotaxin, a Novel Motility-stimulating Protein", <i>The Journal of Biological Chemistry</i> , Vol. 267, February 5, 1992, No. 4, 1992, pp. 2524-2529.
PAR		H. Watanabe, et al. "Purification of Human Tumor Cell Autocrine Motility Factor and Molecular Cloning of Its Receptor," <i>The Journal of Biological Chemistry</i> , Vol. 20, July 15, 1991, pp. 13442-13448.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

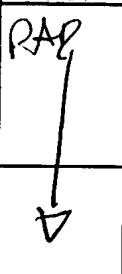
U.S. DEPARTMENT OF COM
PATENT AND TRADEMARKATTY. DOCKET NO.
2026-4149US3SERIAL NO.
08/977,221**INFORMATION DISCLOSURE CITATION***(Use several sheets if necessary)*APPLICANT(S)
M. L. Stracke, et al.FILING DATE
November 24, 1997GROUP ART UNIT
1643**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

			S. Silletti, et al. "Purification of B16-F1 Melanoma Autocrine Motility Factor and Its Receptor," <i>Cancer Research</i> , July 1, 1991, pp. 3507-3511.
			T. Ohnishi, et al. "Motility Factor Produced By Malignant Glioma Cells: Role in Tumor Invasion," <i>J. Neurosurg.</i> , Vol. 73, December 1990, pp. 881-888.
			K. Michael Weidner, et al., "Scatter Factor: Molecular Characteristics and Effect on the Invasiveness of Epithelial Cells," <i>The Journal of Cellular Biology</i> , Vol. 111, November 1990, pp. 2097-2108.

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2026-4149US3SERIAL NO.
08/977,221**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

APPLICANT(S)
M. L. Stracke, et al.FILING DATE
November 24, 1997GROUP ART UNIT
1643**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

PAR			E. M. Rosen, et al. "Purified Scatter Factor Stimulates Epithelial and Vascular Endothelial Cell Migration," <i>Society for Experimental Biology and Medicine</i> , Copyright 1990, pp. 34-43.
			R. M. Warn, et al, "Motility Factors on the March," <i>Nature</i> , Vol. 340, July 20, 1989, pp. 186-187.
✓			E. Gherardi, et al., "Purification of Scatter Factor, a Fibroblast-Derived Basic Protein That Modulates Epithelial Interactions and Movement," <i>Proc. Natl. Acad. Sci.</i> , Vol. 86, August 1989, pp. 5844-5848.

EXAMINER**DATE CONSIDERED**

1/25/01

EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 2026-4149US3	SERIAL NO. 08/977,221
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		APPLICANT(S) M. L. Stracke, et al.	
		FILING DATE November 24, 1997	GROUP ART UNIT 1643

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

PAR		M. L. Stracke, et al., "The Type Insulin-Like Growth Factor Receptor Is A Motility Receptor in Human Melanoma Cells," <i>The Journal of Biological Chemistry</i> , Vol. 264, December 25, 1989, pp. 21544-21549.
		S.L. Schor, et al., "Foetal and Cancer Patient Fibroblasts Produce an Autocrine Migration-Stimulating Factor Not Made by Normal Adult Cells," <i>Journal of Cell Science</i> , 1988, pp. 391-399.
		K. D. Atnip, et al. "Chemotactic Response of Rat Mammary Adenocarcinoma Cell Clones to Tumor-Derived Cytokines," <i>Biochemical and Biophysical Research Communications</i> , Vol. 146, August 14, 1987, pp. 996-1002.

EXAMINER 	DATE CONSIDERED 1/25/01
---	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 2026-4149US3	SERIAL NO. 08/977,221
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		APPLICANT(S) M. L. Stracke, et al.	
		FILING DATE November 24, 1997	GROUP ART UNIT 1643

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

<p>PAR</p> <p>↓</p> <p>✓</p>		M. Stoker, et al. "Scatter Factor is a Fibroblast-Derive Modulator of Epithelial Cell Motility," <i>Nature</i> , Vol. 327, May 1987, pp. 239-242.
		L. A. Liotta, et al. "Tumor Cell Autocrine Motility Factor," <i>Proc. Natl. Acad. Sci.</i> , Vol. 83, May 1986, pp. 3302-3306.
		S.J. Singer, et al. "The Directed Migration of Eukaryotic Cells," <i>Ann. Rev. Cell Biol.</i> , pp. 337-362.

EXAMINER

DATE CONSIDERED

1/25/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2026-4149US3SERIAL NO.
08/977,221**INFORMATION DISCLOSURE CITATION***(Use several sheets if necessary)*APPLICANT(S)
M. L. Stracke, et al.FILING DATE
November 24, 1997GROUP ART UNIT
1643**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

RAR		I.R. Nabi, et al. "Identification of B16-F1 Melanoma Autocrine Motility-Like Factor Receptor," <i>Cancer Research</i> , January 15, 1990, pp. 409-414.
		B. Alberts, et al. "Molecular Biology of the Cell," Garland Publishing, Inc.
↓		G. J. Todaro, et al. "Transforming Growth Factors produced by Certain Human Tumor Cells: Polypeptides That Interact With Epidermal Growth Factor Receptors, <i>Proc. Natl. Acad. Sci.</i> , Vol. 77, No. 9, September 1990, pp. 5258-5262.

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2026-4149US3SERIAL NO. PTO
08/977,221

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT(S)
M. L. Stracke, et al.FILING DATE
November 24, 1997GROUP ART UNIT
1643jc688 U.S. PTO
09/483831

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

PAR ↓ V		K. Yoshida, et al. "Studies On The Mechanisms of Invasion in Cancer. I. Isolation and Purification of a Factor Chemotactic For Cancer Cells," <i>Int. J. Cancer</i> , pp. 123-132.
		J. Murata, et al., "cDNA Cloning of the Human Tumor Motility-stimulating Protein, Autotaxin, Reveals a Homology with Phosphodiesterases", <i>The Journal of Biological Chemistry</i> , Vol. 269, No. 48, December 2, 1994 pp. 30479-30484.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.